

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/009216

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07C7/13 B01J29/40

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07C B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 384 540 A (SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V) 29 August 1990 (1990-08-29) page 3, line 2 - line 36; claims 1-14; examples 1-3; tables 1-3	1-10, 12-15, 17-22
X	US 6 069 289 A (DANDEKAR ET AL) 30 May 2000 (2000-05-30) claims 1-12; example 1; tables 1,2	1-10, 12-15, 17-22
X	US 6 281 406 B1 (CAIN JOHN J) 28 August 2001 (2001-08-28) claims 1-17	23
A		11,16

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority, claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

A document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the International search report
1 February 2005	16/02/2005
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Kleidernigg, O

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/009216

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0384540	A	29-08-1990	US 4982048 A AT 97155 T AU 616341 B2 AU 5006890 A CA 2010654 A1 DE 69004454 D1 DE 69004454 T2 DK 384540 T3 EP 0384540 A1 ES 2045746 T3 JP 2273628 A JP 2673907 B2 NO 900858 A ,B,	01-01-1991 15-11-1993 24-10-1991 30-08-1990 24-08-1990 16-12-1993 10-03-1994 20-12-1993 29-08-1990 16-01-1994 08-11-1990 05-11-1997 27-08-1990
US 6069289	A	30-05-2000	NONE	
US 6281406	B1	28-08-2001	NONE	